

Abstract

The invention provides a method of using an alcohol and a primary or secondary amine as the starting material to produce the corresponding secondary amine easily at a high yield and a catalyst used therein. The invention relates to a film-type catalyst for production of a tertiary amine, which is used in producing a tertiary amine from an alcohol and a primary or secondary amine as the starting material, and a process for producing a tertiary amine, which includes reacting an alcohol with a primary or secondary amine in the presence of the film-type catalyst.